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ABSTRACT

One IC chip capable of performing both the contact and contactless functions is disclosed. A 5 card and mobile terminal device is disclosed for enabling the IC chip to function as a contact or contactless IC card.

The IC chip comprises a CPU; a contact interface connected to the CPU, for enabling data 10 communications with the outside; and a contactless interface connected to the CPU for enabling data communications with the outside. The card connectable to the contactless interface of the IC chip includes an antenna, and the antenna being 15 connectable to the contactless interface of the IC chip to enable the IC chip to radio-communicate with the outside. The mobile terminal device connectable to the contact interface of the IC chip includes another CPU, which is connectable to and in 20 communication with the contact interface of the IC chip to make the IC chip function as a contact IC chip.